

OIPE

## RAW SEQUENCE LISTING

DATE: 11/13/2000

PATENT APPLICATION: US/09/699,652

TIME: 17:32:44

Input Set : A:\BB1168 US NA Seq Listing.txt

Output Set: N:\CRF3\11132000\I699652.raw

3 <110> APPLICANT: Cahoon, Edgar B.  
 4 Cahoon, Rebecca E.  
 5 Kinney, Anthony J.  
 6 Rafalski, J. Antoni  
 8 <120> TITLE OF INVENTION: TRIACYLGLYCEROL LIPASES  
 10 <130> FILE REFERENCE: BB1168 US NA  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/699,652  
 C--> 13 <141> CURRENT FILING DATE: 2000-10-30  
 15 <150> PRIOR APPLICATION NUMBER: 60/083,688  
 16 <151> PRIOR FILING DATE: 1988-04-30  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US99/09280  
 19 <151> PRIOR FILING DATE: 1999-04-29  
 21 <160> NUMBER OF SEQ ID NOS: 36  
 23 <170> SOFTWARE: Microsoft Office 97

Does Not Comply  
 Corrected Diskette Needed

## ERRORED SEQUENCES

1598 <210> SEQ ID NO: 36  
 1599 <211> LENGTH: 403  
 1600 <212> TYPE: PRT  
 1601 <213> ORGANISM: Caenorhabditis elegans  
 1603 <400> SEQUENCE: 36  
 1604 Met Trp Arg Phe Ala Val Phe Leu Ala Ala Phe Phe Val Gln Asp Val  
 1605 1 5 10 15  
 1607 Val Gly Ser His Gly Asp Pro Glu Leu His Met Thr Thr Pro Gln Ile  
 1608 20 25 30  
 1610 Ile Glu Arg Trp Gly Tyr Pro Ala Met Ile Tyr Thr Val Ala Thr Asp  
 1611 35 40 45  
 1613 Asp Gly Tyr Ile Leu Glu Met His Arg Ile Pro Phe Gly Lys Thr Asn  
 1614 50 55 60  
 1616 Val Thr Trp Pro Asn Gly Lys Arg Pro Val Val Phe Met Gln His Gly  
 1617 65 70 75 80  
 1619 Leu Leu Cys Ala Ser Ser Asp Trp Val Val Asn Leu Pro Asp Gln Ser  
 1620 85 90 95  
 1622 Ala Gly Phe Leu Phe Ala Asp Ala Gly Phe Asp Val Trp Leu Gly Asn  
 1623 100 105 110  
 1625 Met Arg Gly Asn Thr Tyr Ser Met Lys His Lys Asp Leu Lys Pro Ser  
 1626 115 120 125  
 1628 His Ser Ala Phe Trp Asp Trp Ser Trp Asp Glu Met Ala Thr Tyr Asp  
 1629 130 135 140  
 1631 Leu Asn Ala Met Ile Asn His Val Leu Glu Val Thr Gly Gln Asp Ser  
 1632 145 150 155 160  
 1634 Val Tyr Tyr Met Gly His Ser Gln Gly Thr Leu Thr Met Phe Ser His  
 1635 165 170 175  
 1637 Leu Ser Lys Asp Asp Gly Ser Phe Ala Lys Lys Ile Lys Lys Phe Phe  
 1638 180 185 190

## RAW SEQUENCE LISTING

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TIME: 17:32:45

Input Set : A:\BB1168 US NA Seq Listing.txt

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```

1640 Ala Leu Ala Pro Ile Gly Ser Val Lys His Ile Lys Gly Phe Leu Ser
1641          195                200                205
1643 Phe Phe Ala Asn Tyr Phe Ser Leu Glu Phe Asp Gly Trp Phe Asp Ile
1644      210                215                220
1646 Phe Gly Ala Gly Glu Phe Leu Pro Asn Asn Trp Ala Met Lys Leu Ala
1647 225                230                235                240
1649 Ala Lys Asp Ile Cys Gly Gly Leu Lys Val Glu Ala Asp Leu Cys Asp
1650          245                250                255
1652 Asn Val Leu Phe Leu Ile Ala Gly Pro Glu Ser Asp Gln Trp Asn Gln
1653          260                265                270
1655 Thr Arg Val Pro Val Tyr Ala Thr His Asp Pro Ala Gly Thr Ser Thr
1656      275                280                285
1658 Gln Asn Ile Val His Trp Met Gln Met Val His His Gly Gly Val Pro
1659      290                295                300
1661 Ala Tyr Asp Trp Gly Thr Lys Thr Asn Lys Lys Lys Tyr Gly Gln Ala
1662 305                310                315                320
1664 Asn Pro Pro Glu Tyr Asp Phe Thr Ala Ile Lys Gly Thr Lys Ile Tyr
1665          325                330                335
1667 Leu Tyr Trp Ser Asp Ala Asp Trp Leu Ala Asp Thr Pro Asp Val Pro
1668          340                345                350
1670 Asp Tyr Leu Leu Thr Arg Leu Asn Pro Ala Ile Val Ala Gln Asn Asn
1671          355                360                365
1673 His Leu Pro Asp Tyr Asn His Leu Asp Phe Thr Trp Gly Leu Arg Ala
1674          370                375                380
1676 Pro Asp Asp Ile Tyr Arg Pro Ala Ile Lys Leu Cys Thr Asp Asp Tyr
1677 385                390                395                400
1679 Leu Gly Lys

```

E--&gt; 1681 1

E--&gt; 1684 1. Docket Number

## VERIFICATION SUMMARY

DATE: 11/13/2000

PATENT APPLICATION: US/09/699,652

TIME: 17:32:46

Input Set : A:\BB1168 US NA Seq Listing.txt

Output Set: N:\CRF3\11132000\I699652.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:164 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:164 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5  
L:165 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
M:340 Repeated in SeqNo=5  
L:167 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:219 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
L:219 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7  
L:222 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
M:340 Repeated in SeqNo=7  
L:245 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8  
L:245 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8  
L:355 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:355 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9  
L:357 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
M:340 Repeated in SeqNo=9  
L:359 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:360 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:361 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:10  
L:394 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10  
L:400 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:10  
M:340 Repeated in SeqNo=10  
L:443 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:443 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11  
L:446 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
M:340 Repeated in SeqNo=11  
L:447 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:487 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:487 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
L:490 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
M:340 Repeated in SeqNo=12  
L:683 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:683 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15  
L:684 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
M:340 Repeated in SeqNo=15  
L:686 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:687 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:688 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:689 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:713 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16  
L:713 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16  
L:722 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16  
M:340 Repeated in SeqNo=16  
L:1059 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1059 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23  
L:1061 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23

## VERIFICATION SUMMARY

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M:340 Repeated in SeqNo=23

L:1063 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:23

L:1077 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:23

L:1078 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:23

L:1108 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:24

L:1108 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:24

L:1111 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:24

M:340 Repeated in SeqNo=24

L:1123 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:24

L:1176 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:25

L:1176 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25

L:1209 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:26

L:1209 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26

L:1300 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:27

L:1300 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:27

L:1301 M:258 W: Mandatory Feature missing, &lt;223&gt; not found for SEQ ID#:27

M:340 Repeated in SeqNo=27

L:1681 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:36

L:1684 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:1684 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2

L:1684 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:403 Found:405 SEQ:36